

AMENDMENTS TO THE CLAIMS

1-106 (Canceled).

107 (Currently amended). A system for treating a sphincter comprising
an expandable structure,
a plurality of electrodes carried by the expandable structure, the electrodes being deployable
into tissue,

a treatment device coupled to the plurality of electrodes and operable in a first state to map
electrical action potential in a tissue region at or near the sphincter to detect an electrical foci or
electrically conductive pathway of aberrant electrical activity causing abnormal or inappropriate
relaxation of smooth muscle of the sphincter and in a second state to ablate tissue in a tissue region
at or near a sphincter.

108 (Previously presented). A system as in claim 107

wherein at least one of the plurality of electrodes is adapted to operate in both the first and
second states.

109 (Previously presented). A system as in claim 107

wherein one of the plurality of electrodes is adapted to operate in the first state but not the
second state, and wherein a different one of the plurality of electrodes is adapted to operate in the
second state but not the first state.

110 (Previously presented). A system as in claim 107

wherein the expandable structure is expandable within the sphincter to dilate the sphincter.

111 (Currently amended). A method for treating a sphincter comprising

providing an expandable structure adapted to be expandable within the sphincter to dilate
the sphincter, the expandable structure carrying a plurality of electrodes adapted to be deployable
into tissue,

providing a treatment device coupled to the plurality of electrodes,

introducing the treatment device into at least a portion of a sphincter,

operating the treatment device in a first state to map electrical action potential in a tissue
region at or near the sphincter to detect an electrical foci or electrically conductive pathway of
aberrant electrical activity causing abnormal or inappropriate relaxation of smooth muscle of the
sphincter,

selecting a targeted tissue region at or near the sphincter based on the identified aberrant electrical activity, and

operating the treatment device in a second state to ablate tissue in the targeted a tissue region ~~at or near the sphincter.~~

112 (Currently amended). A ~~system~~ method as in claim 111

wherein at least one of the plurality of electrodes is adapted to operate in both the first and second states.

113 (Currently amended). A ~~system~~ method as in claim 111

wherein one of the plurality of electrodes is adapted to operate in the first state but not the second state, and wherein a different one of the plurality of electrodes is adapted to operate in the second state but not the first state.

114 (Canceled).